

10/564461

IAP20 Rec'd PGTWTO 12 JAN 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Weiershausen et al.  
Serial No.: Not Yet Assigned  
Filed: Herewith  
For: PROCESSES AND DEVICES FOR THE DETERMINATION OF A  
PMD-INDUCED OUTAGE PROBABILITY OF AN OPTICAL  
TRANSMISSION SYSTEM  
Art Unit: Not Yet Assigned  
Examiner: Not Yet Assigned  
Confirmation No.: Not Yet Assigned  
Customer No.: 27623

Attorney Docket No.: 2133.096USU

Date: January 12, 2006

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with applicants' duty of disclosure under 37 C.F.R. §1.56, we are enclosing form PTO-1449 listing information that may be material to the patentability of this application.

37 C.F.R. 1.98 does not require a copy of U.S. patents or published U.S. patent applications to be included with an information disclosure statement. Accordingly, Applicant is not including a copy of any U.S. patent or published U.S. patent application.

12 JAN 2006

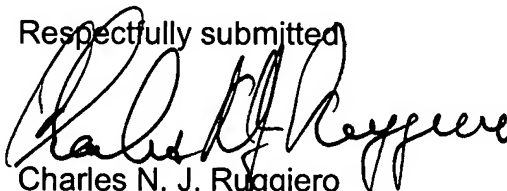
We are also enclosing copies of the non-US references listed on the attached PTO-1449. Copies of available English abstracts of the aforementioned patents, patent applications and articles are enclosed herewith.

It should be understood that attention has been called to the citations that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed citations and to make the usual careful independent search for other prior art that may be pertinent.

Since this Information Disclosure Statement is being filed within three months of the filing date of the application, no petition or fee is required.

Applicants respectfully request favorable consideration and that this application be passed to allowance.

Respectfully submitted



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CUSTOMER NO.: 27623

Sheet 1 of 1

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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE CITATION<br>IN AN APPLICATION<br><br>(Use several sheets if necessary) | Docket Number (Optional)<br>2133.096USU | Application Number<br>Not Yet Assigned<br><b>12/564461</b> |
|  | Applicant<br>Weiershausen et al.        |  |
|  | Filing Date<br>Herewith                 | Group Art Unit<br>Not Yet Assigned                         |
|  |   |  |

## U. S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | NAME       | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|--------------------|----------|------------|-------|----------|-------------------------------|
|                     | 2002/0131129       | 09/19/02 | Mao        | 359   | 161      |                               |
|                     | 6,583,903          | 06/24/03 | Way et al. | 359   | 156      |                               |
|                     |                    |          |            |       |          |                               |
|                     |                    |          |            |       |          |                               |
|                     |                    |          |            |       |          |                               |
|                     |                    |          |            |       |          |                               |
|                     |                    |          |            |       |          |                               |
|                     |                    |          |            |       |          |                               |
|                     |                    |          |            |       |          |                               |
|                     |                    |          |            |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT<br>NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|--------------------|----------|---------|-------|----------|-------------|----|
|  |                    |          |         |       |          | YES         | NO |
|  | EP 1 376 907       | 01/02/04 | Europe  | H04B  | 10/18    | X           |    |
|  | EP 0 578 380       | 01/12/94 | Europe  | H04B  | 10/18    | X           |    |
|  |                    |          |         |       |          |             |    |
|  |                    |          |         |       |          |             |    |
|  |                    |          |         |       |          |             |    |

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

|  |   |
|--|---|
|  | Djupsjöbacka, "Calculation of Signal Outage Due to Polarization Mode Dispersion," IEEE Photonics Technology Letters, Vo. 13, no. 7, July 2001, pp. 660-662.                               |
|  | Sunnerud et al., "Outage Probabilities in PMD Compensated Transmission Systems," Proc. 27 <sup>th</sup> Eur. Conf. On Opt. Comm. (ECOC '01 - Amsterdam), pp. 204-205.                     |
|  | Boroditsky et al., "In-Service Measurements of Polarization-Mode Dispersion and Correlation to Bit-Error Rate, IEEE Photonic Technology Letters, Vol. 15, No. 4, April 2003, pp. 572-574. |
|  |   |
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|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.